

009091 5161567



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

4.5NR-OH
Job Sheet OH190613



Part No: 4.5NR-OH

Job Qty: 1 ea

Part Name: Nubbins Receiver Hook



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/12/19

Job Tracking No: s/n 3551-02

Due Date: 4/9/19

Created By: Jesse White

Type: Rework - OH

Description: ra552

Note: DWG OM & OOPM-4.5NR Rev. 5 IPP Rev. A 18.05.01 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	External Load - 1	1 pcs	4/9/19	4/9/19	0.00	0.50	External Load - 1		
							External Load - 2		
							External Load - 3		
120	QC	1 pcs	4/9/19	4/9/19	0.00	0.00	QC5		
121	Outsource	1 pcs	4/9/19	4/9/19			SKY002-VC		
122	Packaging	1 pcs	4/9/19	4/9/19	0.00	0.00	Packaging2		
123	QC	1 pcs	4/9/19	4/9/19	0.00	0.00	QC6		
130	Customer Acceptance	1 pcs	4/9/19	4/9/19	0.00	0.00			
140	Outsource	1 pcs	4/9/19	4/9/19			GRO002-VC		
150	Packaging	1 pcs	4/9/19	4/9/19	0.00	0.00	Packaging2		
160	QC	1 pcs	4/9/19	4/9/19	0.00	0.00	QC6		
170	Small Fab	1 pcs	4/9/19	4/9/19	0.00	1.00	Small Fab-9		
180	QC	1 pcs	4/9/19	4/9/19	0.00	0.00	QC5		
185	DC	1 pcs	4/9/19	4/9/19	0.00	0.00	DC		
190	Packaging	1 pcs	4/9/19	4/9/19	0.00	0.00	Packaging3-2		
200	QC21-FG	1 Ea	4/9/19	4/9/19	0.00	0.00	QC21		

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 140 - -Issue P/O to GROUPE ALTECH: P/O _____ -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Certificate of Conformity is required

170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY. (OH KIT LIST 648.4712)

185 - Photocopy blue file and create labels ***Manual O&OPM-4.5 NR REV.5***

ADD S/N to Container



Container No: S161567



Part: 4.5NR

Job No: OH190613

Serial No/Batch: S161567

Revision: 5

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 03/12/19

Plex 2/12/19 10:26 AM dart.white.jesse

Control/Report_Viewer_2.asp?URL=../Part/Job_Sheet.asp&Report=Tru...

Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
4.5NR-AR	Nubbins Receiver Hook	1 pcs (1 ea)	110-External Load - 1	S152251
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	170-Small Fab	S110495
4.5NR-10	Lock Roller Pin	1 pcs (1 ea)	170-Small Fab	S103919
4.5NR-13P *	Lock Bearing Screw	1 pcs (1 ea)	170-Small Fab	S110495 S 172787
4.5NR-15P *	Lock Bearing	1 pcs (1 ea)	170-Small Fab	S099268
4.5NR-17P	Lock Bushing	1 pcs (1 ea)	170-Small Fab	S029125
4.5NR-20P *	Load Stop Bushing	2 pcs (2 ea)	170-Small Fab	S151053
4.5NR-23P *	Load Stop Back Bumper	1 pcs (1 ea)	170-Small Fab	S150169
4.5NR-24P *	Load Stop Front Bumper	1 pcs (1 ea)	170-Small Fab	S150167
4.5NR-30P *	Solenoid Cover Screw	2 pcs (2 ea)	170-Small Fab	S138934
4.5NR-35P *	Latch Bushing	2 pcs (2 ea)	170-Small Fab	S166833
4.5NR-36P *	Latch Spring	2 pcs (2 ea)	170-Small Fab	S156606
4.5NR-39P	Keeper Spring	1 pcs (1 ea)	170-Small Fab	S029147
4.5NR-46P	Lever Bushing	1 pcs (1 ea)	170-Small Fab	S029154
4.5NR-52P *	Keeper Bushing	1 pcs (1 ea)	170-Small Fab	S167258
4.5NR-7P	Lifter Bushing	2 pcs (2 ea)	170-Small Fab	S029162
4.5NR-9	Lifter Spring	2 pcs (2 ea)	170-Small Fab	S149841
AN6-13A	Bolt	6 Ea (6 ea)	170-Small Fab	S158075-1
AN6-14A	Machine Bolt 3/8-24 X 1.58 - Steel	1 Ea (1 ea)	170-Small Fab	S119268-1
AN6-24A	Hex Bolt 3/8-24 X 2 1/2"	1 Ea (1 ea)	170-Small Fab	S119263-1
AN6-40A	3/8-24 Bolt X 3" Long	1 Ea (1 ea)	170-Small Fab	S101840 S 041108
AN7-24A	Bolt	1 Ea (1 ea)	170-Small Fab	S071831
AN7-40A	Bolt	1 Ea (1 ea)	170-Small Fab	S101840
C45-10-1P	Lock Spring Pin	1 pcs (1 ea)	170-Small Fab	S029293
C45-13-2P *	Teflon Keeper, Spacer	2 pcs (2 ea)	170-Small Fab	S040660
C45-3-2-1P	Snap Ring	2 pcs (2 ea)	170-Small Fab	S029317
C45-3-4-1P *	Retaining Ring	2 pcs (2 ea)	170-Small Fab	S114803
C45-3-5P	Teflon Spacer	2 pcs (2 ea)	170-Small Fab	S029321
MS21044N6	Nut, Self-Lock .375-24, UNJF-3B	1 Ea (1 ea)	170-Small Fab	S099740
MS21044N7	Keeper Nut	2 Ea (2 ea)	170-Small Fab	S100411
MS21083N3	Nut	2 Ea (2 ea)	170-Small Fab	S087938
MS21083N6	Nut	1 Ea (1 ea)	170-Small Fab	S076612
NAS1149F0332P	Washer	2 Ea (2 ea)	170-Small Fab	S103666
NAS1149F0632P	Washer	2 Ea (2 ea)	170-Small Fab	S067038
NAS1149F0663P	Washer	9 Ea (9 ea)	170-Small Fab	S051477-2
NAS1149F0763P	Washer	4 Ea (4 ea)	170-Small Fab	S078169

4.5NR-45 LATCH ROLLER PIN 1

P 4.5NR-14 Lock Roller 1

4.5NR-25

S167315

S029122

S 174219

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier Quality ☐			
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Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
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Other/Details:					

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-External Load - 1	4.5NR	1	0	0
170-Small Fab	188-FPSS-1032-1/4	2	222	0
	4.5NR-10	1	6	0
	4.5NR-13P	1	1	0
	4.5NR-15P	1	0	0
	4.5NR-17P	1	15	0
	4.5NR-20P	2	3	0
	4.5NR-23P	1	1	0
	4.5NR-24P	1	2	0
	4.5NR-30P	2	0	0
	4.5NR-35P	2	2	0
	4.5NR-36P	2	4	0
	4.5NR-39P	1	40	0
	4.5NR-46P	1	72	0
	4.5NR-52P	1	1	0
	4.5NR-7P	2	11	0
	4.5NR-9	2	16	0
	AN6-13A	6	26	0
	AN6-14A	1	26	0
	AN6-24A	1	27	0
	AN6-40A	1	112	0
	AN7-24A	1	25	0
	AN7-40A	1	34	0
	C45-10-1P	1	23	0
	C45-13-2P	2	26	0
	C45-3-2-1P	2	310	0
	C45-3-4-1P	2	0	0
	C45-3-5P	2	77	0
	MS21044N6	1	28	0
	MS21044N7	2	26	0
	MS21083N3	2	135	0
	MS21083N6	1	119	0
	NAS1149F0332P	2	2,970	0
	NAS1149F0632P	2	427	0
	NAS1149F0663P	9	296	0
	NAS1149F0763P	4	161	0

Part Specifications

Specifications could not be found.

Plex 2/12/19 10:26 AM dart.white.jesse

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
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Other/Details: _____					



Overhaul Incoming Inspection
4.5NR Cargo Hook

Customer

OH190613 / RA552

Date

2019/02/14

Part Number

4.5 NR

Serial Number

3551-02

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

N	(1)	<u>4.5 NR-25 SIDE PLATE SEL</u>	☐
N	(1)	<u>4.5 NR-45 LATCH ROLLER PIN</u>	☐
S103919	(1)	<u>4.5 NR-10 LOCK ROLLER PIN</u>	☐
S147613	(1)	<u>4.5 NR-27 SELENOID ASSY</u>	☐
S154004	(2)	<u>4.5 NR-34 LOAD RAIL</u>	☐
			☐
			☐
			☐
			☐
			☐
			☐

Inspected By

ALAIN PATRY

106
①



NDT Inspection Form
4.5 NR

Work Order

OH190613

Customer

RASS2

Serial Number

3551-02

Date

2019/02/14

MAGNAFLUX

Part Number	Description	Quantity	
4.5 NR-8	Lifter	1	
4.5 NR-10	Lock Roller Pin	0	
4.5 NR-12	Latch	1	
4.5 NR-14	Lock Roller	1	
4.5 NR-16	Lock	1	
4.5 NR-18	Load Stop	1	
4.5 NR-40	Keeper	1	
4.5 NR-41	Latch Roller	1	
4.5 NR-43	Lever	1	
4.5 NR-45	Latch Roller Pin	0	

ZYGLO

Part Number	Description	Quantity	Pass/Fail
4.5 NR-6	Side Plate Cover	1	
4.5 NR-25	Side Plate Solenoid	0	

Tested by

Signed



Remote Cargo Hook Test Form

4.5NR

Work Order 190613

Customer RA552

Serial Number 3551-02

Date 2019-2-12

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/Fail
1	11,250	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	2,250	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	4,500	Electircal, 22 volts	Current shall not exceed 4.5A	4.0 A	Pass
2	3,500	Electircal, 22 volts	Current shall not exceed 4.5A	3.5 A	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 4.5A	4.0 A	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 4.5A	4.0 A	Pass
2	500	Electircal, 22 volts	Current shall not exceed 4.5A	3.7 A	Pass
1	4,500	Electircal, 20 volts	Current shall not exceed 4.1A	3.3 A	Pass
1	4,500	Electircal, 28 volts	Current shall not exceed 5.7A	4.2 A	Pass
1	4,500	Manual		N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 4.9-5.6 Ohms	Ω	
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By: _____

Signature: _____

Technician

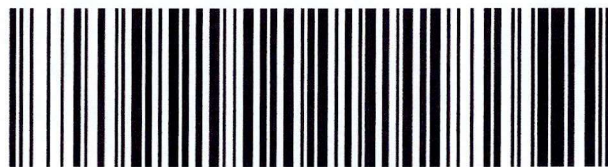
QC 5 Small FAB / QA

Submit



Lettre de voiture (paiement en espèces)

Waybill (payment in cash)



CF006125335CH

PRIORITY
PRIORITAIRE

Expéditeur
Sender

☎ 055 612 3333

Nom
Name

Heli Linth AG

Prénom
First Name

Rue
Street

Flugplatzareal 2

NPA / Lieu / Pays

ZIP Code / City / Country 8753 Mollis - CH

Destinataire
Addressee

☎ 1-613-632-5200

Nom
Name

Dart Aerospace

Prénom
First Name

Rue
Street

1270 Aberdeen Street

NPA / Lieu
ZIP Code / City

K6A 1K7 Hawkesbury

Pays
Country

Canada

☐ Documents
☐ Documents
☒ Marchandises
☒ Goods

☐ Echantillons
☐ Samples
☐ Retour de marchandises
☐ Returned Goods

☐ Cadeau
☐ Present
☐ Autre
☐ Other

Code ISO du
Pays et NPA
Country ISO Code
and ZIP Code

CA - K6A 1K7

Poids brut total
Total gross weight

21 kg 140 g

N° TVA / EORI du destinataire
VAT / EORI No of the addressee

Quantité
Quantity

3

Nubbin Receiver

Description détaillée du contenu
Detailed description of contents

Part # 4.5NR S/N: 3551-02
" 4.5NR " M766-01
4.5NR M268-01

N° tarifaire
Tariff No

Poids net en kg
Net weight in kg

20.000

Valeur en CHF
Value in CHF

15000.00

Pays d'origine
Country of origin

CA

Frais de port
Postal charges

TOTAL

197.00 CHF

Valeur TOTALE
TOTAL Value

15000.00 CHF

Je confirme par la présente que les données contenues dans la présente déclaration sont correctes, que j'ai pris connaissance des CG de la Poste CH SA pour la clientèle privée et que l'envoi ne contient pas d'objet dangereux interdit par les directives de la Poste. Je prends acte, que cet envoi peut être ouvert dans le cadre de contrôles de sécurité ordonnés par les autorités.

I hereby confirm that the information provided in the present declaration is correct, that I have read the GTC of Post CH Ltd for private customers, and that the consignment does not contain any items prohibited by postal regulations. I acknowledge that this consignment may be opened within the context of official security checks.

Ich bestätige hiermit, dass die Angaben in der vorliegenden Deklaration richtig sind, dass ich von den AGB der Post CH AG für Privatkunden Kenntnis genommen habe und dass die Sendung keine durch Postvorschriften verbotenen gefährlichen Gegenstände enthält. Ich nehme zur Kenntnis, dass diese Sendung im Rahmen von behördlich angeordneten Sicherheitskontrollen geöffnet werden darf.

Con la presente confermo la correttezza dei dati contenuti nella presente dichiarazione, di aver preso atto delle CG della Posta CH SA per clienti privati e che l'invio non contiene oggetti pericolosi vietati dalle disposizioni della Posta. Prendo atto che il presente invio può essere aperto nell'ambito di controlli di sicurezza commissionati dalle autorità.

Date

16.1.2019

Signature

Prestations complémentaires
Value-added services

☐ Pro Clima
Pro Clima

☐ Encombrant
Bulky

☐ Traitement manuel MAN
Manual treatment MAN

Comment votre envoi doit-il être traité lorsqu'il ne peut pas être distribué au destinataire? (L'expéditeur est contacté lorsqu'il s'agit d'un envoi URGENT / Retour payant)

How should your consignments be handled if undelivered?

(For URGENT consignments, the sender will be contacted / Return subject to a charge)

ECONOMY:

☒ Retourner l'envoi à l'expéditeur en mode ECONOMY (payant)
Return to sender with ECONOMY handling (subject to a charge)

PRIORITY:

☐ Retourner l'envoi à l'expéditeur en mode PRIORITY (payant)
Return to sender with PRIORITY handling (subject to a charge)

☐ Ne pas retourner l'envoi (abandon du contenu)
Items not to be returned (no claim on contents)

Prix
Price

197.00 CHF

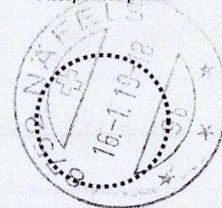
Supplément
Extra Charge

0.00 CHF

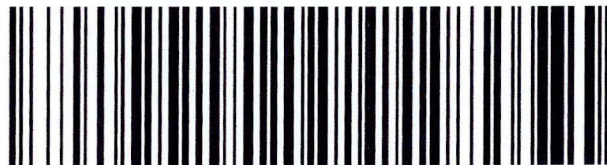
TOTAL

197.00 CHF

Office de dépôt
Acceptance point



**2 Destinataire
Addressee**

**Déclaration d'exportation****Export declaration**

CF006125335CH

PRIORITY
PRIORITAIREExpéditeur
Sender

☎ 055 612 3333

Nom
Name

Heli Linth AG

Prénom
First NameRue
Street

Flugplatzareal 2

NPA / Lieu / Pays

ZIP Code / City / Country 8753 Mollis - CH

Destinataire
Addressee

☎ 1-613-632-5200

Nom
Name

Dart Aerospace

Prénom
First NameRue
Street

1270 Aberdeen Street

NPA / Lieu
ZIP Code / City

K6A 1K7 Hawkesbury

Pays
Country

Canada

☐ Documents☐ Documents☒ Marchandises
Goods☐ Echantillons☐ Samples☐ Retour de marchandises
Returned Goods☐ Cadeau☐ Present☐ Autre
OtherCode ISO du
Pays et NPA
Country ISO Code
and ZIP Code**CA - K6A 1K7**Poids brut total
Total gross weight**21 kg 140 g**N° TVA / EORI du destinataire
VAT / EORI No of the addresseeQuantité
Quantity

3

Description détaillée du contenu
Detailed description of contents

Nubbin Receiver

N° tarifaire
Tariff NoPoids net en kg
Net weight in kg

20.000

Valeur en CHF
Value in CHF

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Pays d'origine
Country of origin

CA

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Postal charges**TOTAL****197.00 CHF**Valeur TOTALE
TOTAL Value**15000.00 CHF**

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Date

16.1.2019

Signature

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Value-added services☐ Pro Clima
Pro Clima☐ Encombrant
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Return to sender with ECONOMY handling (subject to a charge)

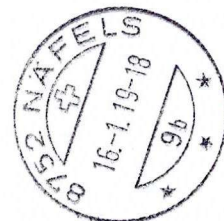
PRIORITY:

☐ Retourner l'envoi à l'expéditeur en mode PRIORITY (payant)
Return to sender with PRIORITY handling (subject to a charge)☐ Ne pas retourner l'envoi (abandon du contenu)
Items not to be returned (no claim on contents)Prix
Price

197.00 CHF

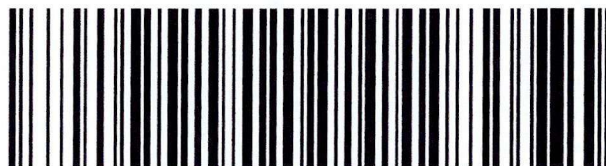
Supplément
Extra Charge

0.00 CHF

TOTAL**197.00 CHF****3 Déclaration d'exportation**
Export declaration



Déclaration en douane CN 23 / Facture commerciale
Customs declaration CN 23 / Commercial invoice



CF006125335CH

PRIORITY
PRIORITAIRE

Expéditeur
Sender 055 612 3333

Nom
Name Heli Linth AG

Prénom
First Name

Rue
Street Flugplatzareal 2

NPA / Lieu / Pays
ZIP Code / City / Country 8753 Mollis - CH

Destinataire
Addressee 1-613-632-5200

Nom
Name Dart Aerospace

Prénom
First Name

Rue
Street 1270 Aberdeen Street

NPA / Lieu
ZIP Code / City K6A 1K7 Hawkesbury
Pays
Country Canada

☐ Documents
Documents
☒ Marchandises
Goods

☐ Echantillons
Samples
☐ Retour de marchandises
Returned Goods

☐ Cadeau
Present
☐ Autre
Other

Code ISO du
Pays et NPA
Country ISO Code
and ZIP Code **CA - K6A 1K7**

Poids brut total
Total gross weight **21 kg 140 g**

N° TVA / EORI du destinataire
VAT / EORI No of the addressee

Quantité Quantity	Description détaillée du contenu Detailed description of contents
3	Nubbin Receiver

N° tarifaire
Tariff No

Poids net en kg
Net weight in kg
20.000

Valeur en CHF
Value in CHF
15000.00

Pays d'origine
Country of origin
CA

Frais de port
Postal charges

TOTAL 197.00 CHF

Valeur TOTALE
TOTAL Value

15000.00 CHF

Declaration of origin / Déclaration d'origine / Ursprungserklärung / Prova d'origine¹:

The exporter of the products covered by this document declares that, except where otherwise clearly indicated, the products are of (see column «Country of origin») preferential origin.

L'exportateur des produits couverts par le présent document déclare que, sauf indication claire du contraire, ces produits ont l'origine préférentielle voir colonne «Pays d'origine».

Der Ausführender der Waren, auf die sich dieses Handelspapier bezieht, erklärt, dass diese Waren, soweit nicht anders angegeben, präferenzbegünstigte (siehe Spalte «Pays d'origine») Ursprungswaren sind.

L'esportatore delle merci contemplate nel presente documento dichiara che, salvo indicazione contraria, le merci sono di origine preferenziale (vedi colonna «Pays d'origine»).

Lieu / Date
City / Date

Mollis 16.1.2019

Signature / Nom
Signature / Name

[Signature]

¹ Only to be completed if the products are of preferential origin in the sense of the relating free trade agreement.

¹ Doit être rempli uniquement quand il s'agit de marchandises d'origine préférentielle dans le sens de l'accord de libre échange correspondant.

¹ Darf nur ausgefüllt werden, wenn es sich um Ursprungswaren im Sinne des entsprechenden Freihandelsabkommens handelt.

¹ Va compilato soltanto quando si tratta di prodotti originari ai sensi del relativo accordo di libero scambio.

Lieu / Date
City / Date

Mollis 16.1.2019

Nom
Name

Andri Senn

Signature
Signature

[Signature]

Linda Lacelle

From: Jennifer Renwick
Sent: Tuesday, February 12, 2019 9:23 AM
To: Linda Lacelle; Michelle GagnonDonovan; Jesse White; Jason Leroux; Kinga Lysiak
Subject: RE: Swiss Post 3 X 4.5NR

Hi Everyone,

Overhaul return - RA552 has been placed in Planning for a job to be made.

Kinga, you can flip order # 12027 to open and amend the ship date accordingly. (Lead-time previously provided-starts now)

Thank you,
Jen

From: Natasha Belanger <nbelanger@dartaero.com>
Sent: Monday, February 11, 2019 6:57 AM
To: Jennifer Renwick <jrenwick@dartaero.com>
Cc: Lisa McMachen <lmcmachen@dartaero.com>
Subject: Re: Swiss Post 3 X 4.5NR

Received @ GA, waiting for Job's

Natasha Bélanger
Receiver

DART AEROSPACE
T 1 613 632-5200 > 248
F 1 613 632-5246
1 800 556- 4166
www.dartaerospace.com



From: Jennifer Renwick
Sent: Friday, February 8, 2019 9:11 AM
To: Natasha Belanger
Cc: Lisa McMachen
Subject: RE: Swiss Post 3 X 4.5NR

Hi Natasha,

RA552 is in the receiving overhaul folder.

Thank you,
Jen

From: Natasha Belanger <nbelanger@dartaero.com>
Sent: Thursday, February 07, 2019 10:47 AM
To: Jennifer Renwick <jrenwick@dartaero.com>
Cc: Lisa McMachen <lmcmachen@dartaero.com>
Subject: Re: Swiss Post 3 X 4.5NR

Any news on the below.....

Natasha Bélanger
Receiver

DART AEROSPACE
T 1 613 632-5200 > 248
F 1 613 632-5246
1 800 556- 4166
www.dartaerospace.com



From: Natasha Belanger
Sent: Tuesday, January 22, 2019 2:44:28 PM
To: Jennifer Renwick



NDT Inspection Form 4.5 NR

Work Order

OH190613

Customer

RA552

Serial Number

3551-02

Date

2019/02/14

MAGNAFLUX

Part Number	Description	Quantity	
4.5 NR-8	Lifter	1	
4.5 NR-10	Lock Roller Pin	0	
4.5 NR-12	Latch	1	
4.5 NR-14	Lock Roller	1	
4.5 NR-16	Lock	1	
4.5 NR-18	Load Stop	1	
4.5 NR-40	Keeper	1	
4.5 NR-41	Latch Roller	1	
4.5 NR-43	Lever	1	
4.5 NR-45	Latch Roller Pin	0	

ZYGLO

Part Number	Description	Quantity	Pass/Fail
4.5 NR-6	Side Plate Cover	1	
4.5 NR-25	Side Plate Solenoid	0	

Tested by

Signed



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042869**



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

Attention: Jenne, Heather

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO042869

PO Date: 3/12/19

Due Date: 3/15/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

REVISED

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	187760	D4883-3	End Fitting : Various STC's issue P/O: Certificate of conformaty is required. LPI AS PER ASTM E1417 LEVEL 2	Firmed	-	3/15/19	10 pcs	0 pcs	10 pcs	\$17.80/pcs	\$178.00
						10 X MAR 19 2019					DAS 68 9-89
2	OH190613	4.5NR-OH	Nubbins Receiver Hook MAGNAFLUX	Firmed	-	3/15/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
						1 X MAR 19 2019					
	OH190625			Firmed	-	3/15/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
	OH190626			Firmed	-	3/15/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Sub Total:							3	0	3		\$534.00

Grand Total: \$712.00

CL



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO042869



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/18/19 1:48 PM dart.lavoie.chantal

**skyservice****Work Order Traveler**
Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO39626	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO42869
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:**CARRY OUT NDT INSPECTION (LIQUID PENETRANT) ON 38 MISC PARTS**

ITEM ID: D4883-3 END FITTING

1 - WORK ORDER ID#: 187760 (QTY 10)

ITEM ID: 4.5NR-OH NUBBINS RECEIVER HOOK

2 - WORK ORDER ID#: OH190613 (QTY 9)

3 - WORK ORDER ID#: OH190625 (QTY 8)

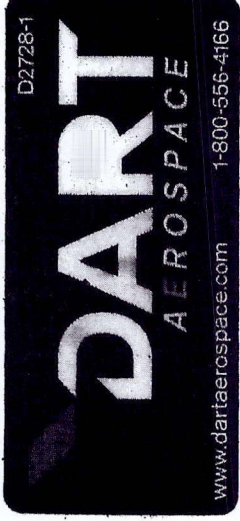
4 - WORK ORDER ID#: OH190613 (QTY 11)

OH190626

Action Taken:						Date:	Initial/Stamp:
LIQUID PENETRANT AND MAGNETIC PARTICLE INSPECTION C/O ON ITEMS LISTED ABOVE (ITEM #1 TO 4) IAW ASTM E-1417M-16 AND E-1444M-16						MAR 13 2019	DAS 68 9-89 DOT-APP 61 53-89
NO CRACK FOUND							
PEN ZL-37, MPO23206, CLEANER SKC-S MPO15030, EMU. MPO15896, DEV. MPO23451, UV LIGHT M-20142							
MAGBENCH S/N 208123 CAL DUE: 5-APR-2019, POWDER 14A BATCH# MPO13600, CARRIER II BATCH# MPO22794							
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp DOT-APP 61 53-89	Date: MAR 13 2019
Name: ANTONINO MARCHETTA		



DATE: 2018/03/25

NICKEL PLATING

MODEL: 4.5 NR

S/N : 3551-02

JOB : OH 190613 / RA 552

P/N	DESCRIPTION	QUANTITY
4.5 NR-14	LOCK ROLLER	1
4.5 NR-12	LATCH	1
4.5 NR-40	KEEPER	1
4.5 NR-18	LOAD STOP	1

A. PATRY



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042977



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO042977

PO Date: 3/25/19

Due Date: 4/1/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH189825	C10-OH	C-Series Remote Hook 10,000 lbs Lift Capacity -Issue P/O; -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required	Firmed	-	4/1/19	1 pcs	0 pcs	1 pcs	\$400.00/pcs	\$400.00

Line Item Note ** NEED BACK MARCH 29, 2019 * RUSH **

2	OH191622	C60-OH	C-Series Remote Hook 6,000 lbs Lift Capacity -Issue P/O; -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required	Firmed	-	4/1/19	1 pcs	0 pcs	1 pcs	\$350.00/pcs	\$350.00
---	----------	--------	--	--------	---	--------	-------	-------	-------	--------------	----------



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042977



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	OH190613	4.5NR-OH	Nubbins Receiver Hook -Issue P/O to GROUPE ALTECH: P/O -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004-.0006 -Bake after plating -Certificate of Conformity is required	Firmed XI	-	4/1/19	1 pcs	0 pcs	1 pcs	\$120.00/pcs	\$120.00
	OH190626			Firmed	-X	4/1/19	1 pcs	0 pcs	1 pcs	\$120.00/pcs	\$120.00
	OH190625			Firmed	-X	4/1/19	1 pcs	0 pcs	1 pcs	\$120.00/pcs	\$120.00
Sub Total:							3	0	3		\$360.00

Grand Total: \$1,110.00

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/26/19 11:57 AM dart.Lussier.Patrick



Certificat de Conformité / Certificate of Compliance



0 1 7 9 7 1 - 1

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

017971- 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.					
28-Mar-2019		Shankar Anand		042977					
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order	
1	C10-OH Rev.	C10-OH SANDBLAST PAINT PARTS STRIP NICKEL PARTS NICKEL PLATE QQ-N-290 CLASS 2 GRADE E OR F 0.0004-0.0006 BAKE AFTER PLATING	E-NICKEL-500 LOT	1	1	0	0	0	
2	C60-OH Rev.	C60-OH 01 -E-NIC STEEL 200 [E-NICKEL STEEL 200] QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING	E-NICKEL-200 LOT	1	1	0	0	0	
3	4.5NR-OH Rev.	4.5NR-OH 01 -E-NIC STEEL 500 [E-NICKEL STEEL 500] 0.004 TO 0.006 THICK AND BAKE	E-NICKEL-200 CH	3	3	0	0	0	

DAS
68
9.89

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.





Remote Cargo Hook Test Form

4.5NR

Work Order 190 613

Customer RA 552

Serial Number 5161567

Date 2019-5-23

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/Fail
1	11,250	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	2,250	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	4,500	Electircal, 22 volts	Current shall not exceed 4.5A	4.0 A	Pass
2	3,500	Electircal, 22 volts	Current shall not exceed 4.5A	3.8 A	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 4.5A	3.3 A	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 4.5A	3.2 A	Pass
2	500	Electircal, 22 volts	Current shall not exceed 4.5A	3.0 A	Pass
1	4,500	Electircal, 20 volts	Current shall not exceed 4.1A	3.0 A	Pass
1	4,500	Electircal, 28 volts	Current shall not exceed 5.7A	4.2 A	Pass
1	4,500	Manual		N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 4.9-5.6 Ohms	5.6 Ω	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By:

Michel Lalonde

Technician

Signature:

Sylvie Paucher

QC 5 Small FAB / QA

Submit